

Amendment to the Abstract:

Please replace the abstract with the following amended abstract:

ABSTRACT OF THE INVENTION

A bi-directional communication link has plural channels with respective masters and slaves at respective ends of respective channels, in which each master issues a Master Tx clock, each slave constructs a Slave Rx clock frequency locked to the Master Tx clock, and a Slave Tx clock frequency locked to the Slave Rx clock. A metric processor for each master produces a metric signal indicative of resolution of a signal received by the master from the corresponding slave. A decision processor responsive to ~~said~~ the metric processor changes the phase of the Slave Tx clock relative to the Slave Rx clock so as to maximize the metric signal. In one embodiment, the resolution is a resolution between leading and trailing edges of the received signal. In another embodiment, the resolution is a resolution between allowed amplitude levels of the received signal.